

AMENDMENT & RESPONSE

TO OFFICE ACTION DATED JUNE 20, 2008

**AMENDMENTS**

Please amend the claims as follows:

We claim:

1. (Currently Amended) Solid oxide fuel cell with internal reforming capability comprising:

a cathode;

an anode;

an electrolyte disposed between the anode and the cathode;

a cathodic current collector;

an anodic current collector, the cathode, anode and electrolyte disposed between the cathodic current collector and the anodic current collector;

a cathodic interconnect electrically connecting the cathode to the cathodic current collector, the cathodic interconnect comprising a metallic substrate providing a flow field between the cathode and the cathodic current collector for an oxygen containing gas flow over at least a portion of the cathode; and

an anodic interconnect electrically connecting the anode to the anodic current collector, the anodic interconnect comprising a metallic substrate providing a flow field between the anode and the anodic current collector for a fuel gas flow over at least a portion of the anode and a catalytic coating on the metallic substrate, the flow field being bounded at least in part by the anode, the anodic current collector, and the metallic substrate, and the catalytic coating on the metallic substrate comprising a catalyst for catalytic conversion of a hydrocarbon fuel in the fuel gas to a hydrogen rich reformate such that the hydrogen rich reformate is oxidized at the anode to generate electric power;

wherein the metallic substrate of the anodic interconnect has an offset plate fin or dimple configuration and includes a first uncoated portion electrically connected to the anode, a second uncoated portion electrically connected to the anodic current collector, and a spacing portion extending between the first and second uncoated portions for spacing the anode from the anodic current collector and forming the space for the fuel gas flow.

2. (Cancelled)

3. (Original) Solid oxide fuel cell as in claim 1 wherein the metallic substrate of the anodic interconnect is formed of high temperature stainless steel/alloy plate.

4. (Cancelled)

5. (Previously Presented) Solid oxide fuel cell as in claim 1 wherein the metallic substrate of the anodic interconnect includes a plurality of rows of fins having a square wave shaped cross-section, adjacent rows of the plurality of rows of fins being offset from one another.

6. (Original) Solid oxide fuel cell as in claim 1 wherein at least a portion of the anode is unobstructed by the anodic interconnect.

7. (Original) Solid oxide fuel cell as in claim 1 wherein the catalytic coating further comprises a catalyst support and a catalyst promoter.

8. (Original) Solid oxide fuel cell as in claim 1 wherein the catalyst is a steam reforming catalyst.

9. (Original) Solid oxide fuel cell as in claim 8 wherein the steam reforming catalyst comprises a transition metal or a precious metal.

10. (Previously Presented) Solid oxide fuel cell as in claim 8 wherein the steam reforming catalyst comprises a transition metal or a precious metal, and wherein the catalytic coating further comprises a catalyst support comprising a refractory metal oxide and a catalyst promoter comprising an alkali metal oxide or an alkaline earth metal oxide.

11. (Original) Solid oxide fuel cell as in claim 1 wherein the electrolyte is a solid electrolyte.

12. (Original) Solid oxide fuel cell as in claim 11 wherein the solid electrolyte comprises yttria-stabilized zirconia.

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13-20. (Withdrawn)